

### AMENDMENTS TO THE CLAIMS

1. (currently amended)      An isolated polynucleotide comprising at least 17 contiguous nucleotides from the 26-nucleotide sequence of SEQ ID NO: 1 or SEQ ID NO: 2.
2. (currently amended)      [[A]] The isolated polynucleotide according to claim 1 comprising at least 18 contiguous nucleotides from the 26-nucleotide sequence of SEQ ID NO: 1 or SEQ ID NO: 2.
3. (currently amended)      [[A]] The isolated polynucleotide according to claim 1 comprising at least 20 contiguous nucleotides from the 26-nucleotide sequence of SEQ ID NO: 1 or SEQ ID NO: 2.
4. (currently amended)      [[A]] The isolated polynucleotide according to claim 1 comprising the sequence of SEQ ID NO: 1 or SEQ ID NO: 2.
- 5.-8.(canceled).
9. (currently amended)      [[A]] The isolated polynucleotide according to ~~any of the preceding claims~~claim 1 comprising the sequence of SEQ ID NO: 21.
10. (currently amended)      An insect resistant plant comprising a VIP3A protein and a polynucleotide according to ~~any of claims 1 to 9~~ claim 1.
11. (currently amended)      [[A]] The plant according to claim 10 which is a cotton plant.
- 12.(original)      An insecticidal cotton plant according to claim 11 which is derived from the COT102 event.

13. (currently amended) A method of detecting plant material derived from the COT102 event comprising:
- (a) obtaining a sample for analysis;
  - (b) providing DNA from the sample;
  - (c) providing a pair of primers designed to bind to ~~[[a]] the polynucleotide as claimed in claims 1 to 9~~of claim 1 when said polynucleotide is single stranded;
  - (d) amplifying the region which lies between the sites at which the primers bind; and
  - (e) detecting the presence of the amplification product;
- whereby the presence of the amplification product is indicative that the sample is derived from the COT102 event.
14. (currently amended) ~~[[A]] The method according to claim 13 wherein the first primer has the sequence of SEQ ID NO: 3 and the second primer has the sequence of SEQ ID NO: 4.~~
15. (currently amended) A method of detecting plant material derived from the COT102 event comprising:
- (a) obtaining a sample for analysis;
  - (b) providing a probe designed to bind to the complement of ~~[[a]] the polynucleotide as claimed in claims 1 to 9~~of claim 1 when said polynucleotide is single stranded;
  - (c) hybridising said probe with the sample; and
  - (d) detecting whether the probe has hybridised;
- whereby the hybridisation of the probe is indicative that the sample is derived from the COT102 event.
16. (currently amended) ~~[[A]] The method according to claim 15 wherein the sequence of the probe is selected from the group comprising~~consisting of SEQ ID NO: 5, SEQ ID NO: 6 and SEQ ID NO: 7.
17. (currently amended) ~~[[A]] The method according to~~claim 15 wherein the probe hybridises to the sample under stringent hybridisation conditions.

18. (currently amended) A method of detecting plant material derived from the COT102 event comprising:
- (a) obtaining a sample for analysis;
  - (b) providing an antibody designed to bind to a VIP protein contained within a plant according to ~~claims 10 to 12~~ claim 10;
  - (c) incubating said antibody with the sample; and
  - (d) detecting whether the antibody has bound;
- whereby the presence of antibody which has bound is indicative that the sample is derived from the COT102 event.
19. (currently amended) A method of detecting plant material derived from the COT102 event comprising:
- (a) obtaining a sample for analysis;
  - (b) making a protein extract of the sample;
  - (c) providing a test strip designed to detect the presence of a VIP protein present within the sample;
  - (d) incubating the test strip with the sample; and
  - (e) detecting whether VIP protein is present;
- wherein the presence of VIP protein is indicative that the sample is derived from the COT102 event.
20. (currently amended) [[A]] The method according to claim 18 ~~or 19~~ wherein the VIP protein has the sequence of SEQ ID NO: 8.
21. (currently amended) A method of detecting plant material derived from the COT102 event comprising:
- (a) obtaining a sample for analysis;
  - (b) subjecting one or more insects of the species *Spodoptera frugiperda* to the sample;

- (c) subjecting one or more insects of species *Ostrinia nubilalis* to the sample as a control;
- (d) detecting whether the sample has an insecticidal effect on insects from each species; and
- (e) comparing the results with an authentic COT102 bioassay profile.

22.(original) A kit of parts comprising a means for detecting the presence in a sample of plant material derived from the COT102 event.

23.(currently amended) [[A]] The kit of parts according to claim 22 comprising a means for detecting the presence in a sample of [[a]] the polynucleotide according to claim 1.  
claims 1 to 9, or a protein encoded by a polynucleotide according to claims 1 to 9, or a VIP protein.

24.(currently amended) [[A]] The kit of parts according to ~~claims 22 or 23~~claim 22  
comprising in the form of instructions ~~one or more of the methods according to claims~~  
~~13 to 21~~claim 13.

25. (new) The method according to claim 19 wherein the VIP protein has the sequence of SEQ ID NO: 8.

26. (new) The kit of parts according to claim 22 comprising a means for detecting a protein encoded by the polynucleotide according to claim 1.

27. (new) The kit of parts according to claim 22 comprising in the form of instructions the method according to claim 15.

28. (new) The kit of parts according to claim 22 comprising in the form of instructions the method according to claim 19.

29. (new) The kit of parts according to claim 22 comprising in the form of instructions the method according to claim 21.